

Posting Models

Calibrated Models

The U.S. Environmental Protection Agency (EPA) has completed the Illinois River Watershed Basin and Lake Tenkiller models and released them to the partnering agencies for use. The EPA partnered with Arkansas, Oklahoma and the Cherokee Nation to develop science-based water quality models. Partner agencies can now use the models to evaluate options as they continue to reduce phosphorus loadings from sources in northeast Oklahoma and northwest Arkansas.

The calibrated HSPF watershed model input files can be downloaded [here](#). The calibrated EFDC lake model files can be downloaded [here](#).

Baseline Watershed Model Run

In an effort to take into account the various changes in the watershed over the temporal model domain, a Technical Workgroup made up of members from Arkansas and Oklahoma and the Cherokee Nation developed a baseline model run to evaluate scenarios. The baseline run utilizes the following data:

2009 Litter Application Rates

2011 National Land Cover Data

2015 DMR flows and Permit Limits

2015 Point Sources

Meteorological data from 1992 – 2009

The baseline watershed model can be downloaded [here](#).

Model Executables

Model executables are required to run the input files and obtain the associated output.

The model executables can be downloaded at the following sites.

BASINS/HSPF: <https://www.epa.gov/ceam/better-assessment-science-integrating-point-and-non-point-sources-basins>

EFDC/EFDC Explorer: <https://www.eemodelingsystem.com/>